

1        **ABSTRACT**

2        A process for rapid data recovery, data cleaning and an automated self-  
3        maintenance of the data recovery mechanism is provided. Dirty input data  
4        records are used in conjunction with and to build and revise a fast indexing table  
5        wherein index keys point to clean data records with which the input data should  
6        be rightly associated. Mechanisms for automated revision of the indexing table  
7        are described. Said table forms a tool useful in data mining and knowledge  
8        discovery to analysis of heuristic processes.